

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	375	(381/59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/12 15:03
S2	652	(381/58).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/13 10:00
S3	696	(381/55,56).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/13 10:01
S4	4	((("5197104") or ("3047661"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/13 11:39
S5	2	fedigan.in. and speaker and cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:43
S6	3	381/55-59.ccls. and (monitor\$3 with \$4speaker with cone with (movement displacement ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/13 12:05
S7	4	((("5197104") or ("3047661"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/13 11:39
S8	0	S7 and (hartley colpitts)	USPAT	OR	OFF	2007/04/13 11:39
S9	2	381/55-59.ccls. and (triang\$5 near3 wave near3 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:45

S10	6	381/55-59.ccls. and (triang\$5 near3 wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/13 12:06
S11	1	fedigan.in. and (triang\$4 same wave) and \$4speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:44
S12	1	381/55-59.ccls. and (triang\$5 near3 wave) near3 input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:46
S13	28	"381"/\$.ccls. and (triang\$5 near3 wave) near3 input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:49
S14	52	"381"/\$.ccls. and (triang\$5 near3 wave) with input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:51
S15	190	"330"/\$.ccls. and (triang\$5 near3 wave) with input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:56
S16	131	"330"/\$.ccls. and ((triang\$5 near3 wave) with input) and audio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:53
S17	66	"381"/\$.ccls. and (triang\$5 near3 wave) with generat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:54
S18	23	"381"/\$.ccls. and (triang\$5 near3 wave) same \$4speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/16 13:57
S19	2	fedigan.in. and speaker and cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/28 18:13
S20	1	S19 and (variable near4 reluct\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/28 18:13

S21	1	S19 and (variable near4 reluct\$4) and sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/28 18:14
S22	4	((("5197104") or ("3047661"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/28 18:21
S23	15	((("5197104") or ("3047661") or ("3821473") or ("4727584") or ("4243839") or ("4550430") or ("4573189") or ("4609784") or ("5197104") or ("4821328") or ("4207430"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/07/28 18:23
S24	0	"381"/\$.ccls. and sensor near20 coil near20 core near20 signal near20 cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:51
S25	2	"381"/\$.ccls. and coil near20 core near20 signal near20 cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:52
S26	1	fedigan.in. and (coil near20 core) and \$4speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:52
S27	1	"381"/\$.ccls. and coil near20 core near20 cone near20 electromagnetic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:53
S28	63	"381"/\$.ccls. and coil near20 core near20 cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:55
S29	1	"381"/\$.ccls. and coil near20 core near20 cone near20 input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:57
S30	1	"381"/\$.ccls. and coil near20 core near20 cone near20 input\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/19 15:58

S31	4	"381"/\$.ccls. and (coil near20 (rod core) near20 cone) and (generat\$2 near20 (amplifier rectifier demodulat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:18
S32	13	(coil near20 (rod core) near20 cone) and (generat\$2 near20 (amplifier rectifier demodulat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:26
S33	153	(coil near20 (rod core)) and (triang\$5 near20 (amplifier rectifier demodulat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:42
S34	4	"381"/\$.ccls. and (coil near20 (rod core)) and (triang\$5 near20 (amplifier rectifier demodulat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:42
S35	18	(coil near20 (rod core)) and (triang\$5 near20 (amplifier rectifier demodulat\$3)) and \$4speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:44
S36	1852	(coil near20 (rod core)) and (triang\$5 near20 input (amplifier rectifier demodulat\$3)) and \$4speaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:45
S37	0	"381"/\$.ccls. and coil near20 (rod core) near20 cone near20 triang\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:46
S38	6	"381"/\$.ccls. and coil near20 (rod core) near20 triang\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:46
S39	2020	(381/55-59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:47
S40	3	((("6058195") or ("5815585") or ("20030194097")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/20 10:52
S41	3	("4969195"   "5068903"   "5438625").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/20 10:54
S42	2	("5528695"   "5894522").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/20 10:54

S43	412	(381/96).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:55
S44	2	"381"/\$.ccls. and (coil near20 (rod core) near20 cone near20 input)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:58
S45	72	"381"/\$.ccls. and (coil near20 (rod core) near20 cone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 10:59
S46	10	"381"/\$.ccls. and (coil near20 (rod core) near20 cone) and (rectif\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 11:00
S47	10	"381"/\$.ccls. and (coil near20 (rod core) near20 cone) and (filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 11:01
S48	39	("2857461"   "2948778"   "3009991"   "3014096"   "3047661"   "3118972"   "3142724"   "3334184"   "3530244"   "3798374"   "4130725"   "4201886"   "4229618"   "4243839"   "4256923"   "4276443"   "4287389"   "4340778"   "4406921"   "4464785"   "4504704"   "4525856"   "4550430"   "4609784"   "4649565"   "4675835"   "4747144"   "4821328"   "4868870"   "5086473").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/20 11:03
S49	4	"381"/\$.ccls. and (coil near20 (rod core) and (triang\$5 near3 wave)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/20 11:15
S50	10	"381"/\$.ccls. and (measur\$3 calculat\$3 determin\$3) near10 \$4speaker near10 cone near10 (displacement movement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 10:56
S51	16	(measur\$3 calculat\$3 determin\$3) near10 \$4speaker near10 cone near10 (displacement movement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 11:00

S52	2	"381"/\$.ccls. and \$4speaker near20 cone near20 (displacement movement) near20 coil near20 core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 11:12
S53	4	\$4speaker near20 cone near20 (displacement movement) near20 coil near20 core	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 11:13
S54	6	\$4speaker near20 cone near20 (displacement movement) near20 (wind\$3 coil) near20 ( rod core)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 13:27
S55	213	"381"/\$.ccls. and (coil) near10 (mount\$3 affix \$2) near10 cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 15:27
S56	28	"381"/\$.ccls. and (coil near10 (mount\$3 affix \$2) near10 cone) and (triang\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 15:29
S57	6	\$4speaker near20 cone near20 (displacement movement) near20 (wind\$3 coil) near20 ( rod core)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 15:52
S58	1	S57 and ferr\$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/26 15:52
S59	1	("6516071").PN.	USPAT	OR	OFF	2008/08/26 16:01
S60	333	"381"/\$.ccls. and coil near10 (position\$2 locat\$2 mount\$2) near10 cone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/08/29 18:55
S61	2	((("5493620") or ("4312118")).PN.	USPAT; USOCR	OR	OFF	2010/04/11 20:33
S62	2335	(381/55-59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/04/11 20:49
S63	0	381/55-59,96,117	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2011/03/16 16:16

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1999	(381/55,56,58,59,403400,416,420).CCL.S.	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 13:56
L2	2430	(381/55,56,58,59,403,400,416,420).CCL.S.	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 13:56
L3	1	L2 and (coil near20 core near10 coaxial) and (high near10 pass near10 frequency)	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 13:56
L4	0	L2 and (coil near20 cone) and (second near10 axis near10 (radius radially) near10 (displace\$4 counter\$2 offset) near10 (center central) near10 axis)	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 13:57
L5	3228	(381/55,56,58,59,403,400,416,420,98).CCL.S.	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 14:03
L6	0	L5 and (coil near20 cone) and (second near10 axis near10 (radius radially) near10 (displace\$4 counter\$2 offset) near10 (center central) near10 axis)	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 14:03
L7	1	L5 and (coil near20 core near10 coaxial) and (high near10 pass near10 frequency)	US- PGRUB; USPAT; UPAD	OR	OFF	2011/03/17 14:03

L8	3367	(381/55,56,58,59,403,400,416,420,98,117).CCLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/17 14:06
L9	0	L8 and (coil near20 cone) and (second near10 axis near10 (radius radially) near10 (displace\$4 counter\$2 offset) near10 (center central) near10 axis)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/17 14:06
L10	1	L8 and (coil near20 core near10 coaxial) and (high near10 pass near10 frequency)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/17 14:07
S64	1730	(381/55,56,58,59).CCLS.	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/16 15:51
S65	0	381/55-59,96,117.ccls. and (coil near20 cone) and (second near10 axis near10 (radius radially) near10 (displace\$4 counter\$2 offset) near10 (center central) near10 axis)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/16 16:20
S66	0	"381"/\$.ccls. and (coil near20 cone) and (second near10 axis near10 (radius radially) near10 (displace\$4 counter\$2 offset) near10 (center central) near10 axis)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/16 16:21
S67	1	"381"/\$.ccls. and (coil near20 core near10 coaxial) and (high near10 pass near10 frequency)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/03/16 16:23

3/17/2011 2:07:32 PM

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